

Table 3. List of all protein preparations printed on the protein microarrays

Plate/position	AT#	Description
1_H12	AT2G02800	Family 1.2.2 - Receptor Like Cytoplasmic Kinase VII
1_A1	AT2G26980	Family 4.2.4 - SNF1 Related Protein Kinase (SnRK)
1_A10	AT1G12580	Family 4.2.1 - Calcium Dependent Protein Kinase
1_A11	AT5G04510	Family 4.2.6 - IRE/NPH/PI dependent/S6 Kinase
1_A12	AT5G24080	Family 1.9.2 - S Domain Kinase (Type 2)
1_A2	AT4G14340	Family 3.1.1 - Casein Kinase I Family
1_A3	AT1G51660	Family 4.1.3 - MAP2K
1_A4	AT1G72710	Family 3.1.1 - Casein Kinase I Family
1_A5	AT5G13160	Family 1.2.2 - Receptor Like Cytoplasmic Kinase VII
1_A6	AT3G19100	Family 4.2.1 - Calcium Dependent Protein Kinase
1_A7	AT3G02880	Family 1.13.3 - Leucine Rich Repeat Kinase III
1_A8	AT1G53510	Family 4.5.1 - MAPK Family
1_A9	AT1G55200	Family 1.6.2 - Plant External Response Like Kinase
1_B1	AT2G48010	Family 1.6.4 - RKF3 Like Kinase; LRR
1_B10	AT4G01370	Family 4.5.1 - MAPK Family
1_B11	AT4G18950	Family 2.1.2 - Ankyrin Repeat Domain Kinase
1_B12	AT1G14370	Family 1.2.2 - Receptor Like Cytoplasmic Kinase VII
1_B2	AT1G10210	Family 4.5.1 - MAPK Family
1_B3	AT3G45640	Family 4.5.1 - MAPK Family
1_B4	AT2G20850	Family 1.1.1 - LRR V
1_B5	AT2G32850	Family 5.1.1 - Other Kinase
1_B6	AT3G17240	Dihydrolipoamide dehydrogenase 2
1_B7	AT3G50310	Family 4.4.1 - Unknown Function Kinase
1_B8	AT2G30980	Family 4.5.4 - GSK3/Shaggy Like Protein Kinase Family
1_B9	AT2G23080	Family 4.5.3 - Casein Kinase II Family
1_C1	AT3G05050	Family 4.5.2 - CDC2 Like Kinase Family
1_C10	AT2G26730	Family 1.13.3 - Leucine Rich Repeat Kinase III
1_C11	AT1G09840	Family 4.5.4 - GSK3/Shaggy Like Protein Kinase Family
1_C12	AT3G23310	Family 4.2.6 - IRE/NPH/PI dependent/S6 Kinase
1_C2	AT1G12680	Family 4.2.1 - Calcium Dependent Protein Kinase
1_C3	AT4G35600	Family 1.2.2 - Receptor Like Cytoplasmic Kinase VII
1_C4	AT4G30960	Family 4.2.4 - SNF1 Related Protein Kinase (SnRK)
1_C5	AT1G61980	S-locus PK, putative
1_C6	AT2G37840	Family 4.1.7 - APG1 Like Kinase
1_C7	AT2G30040	Family 4.4.1 - Unknown Function Kinase
1_C8	AT1G28390	Family 1.14.1 - Crinkly 4 Like Kinase; LRR
1_C9	AT5G35410	Family 4.2.4 - SNF1 Related Protein Kinase (SnRK)
1_D1	AT1G67890	Family 2.1.3 - CTR1/EDR1 Kinase
1_D10	AT5G14720	Family 4.1.2 - STE20-PAK Like Protein Kinase
1_D11	AT1G52310	Family 1.17.1 - Wall Associated Kinase
1_D12	AT3G06030	Family 4.1.1 - MAP3K; NPK1-related protein kinase 3
1_D2	AT5G24360	Family 4.3.2 - Unknown Function Kinase
1_D3	AT3G08680	Family 1.13.3 - Leucine Rich Repeat Kinase III
1_D4	AT4G26070	Family 4.1.4 - MAP2K
1_D5	AT2G17220	Family 1.2.2 - Receptor Like Cytoplasmic Kinase VII
1_D6	AT5G63370	Family 4.5.2 - CDC2 Like Kinase Family
1_D7	AT4G13020	Group 4.5 - MAPK/CDC/CK2/GSK Kinases
1_D8	AT1G69270	Family 1.12.2 - Leucine Rich Repeat Kinase II & X
1_D9	AT5G67380	Family 4.5.3 - Casein Kinase II Family
1_E1	AT3G46760	Family 1.11.1 - Legume Lectin Domain Kinase
1_E10	AT1G49160	Family 4.1.5 - Possible MAP2K
1_E11	AT4G02410	Family 1.11.1 - Legume Lectin Domain Kinase
1_E12	AT1G54610	Family 4.5.2 - CDC2 Like Kinase Family
1_E2	AT4G39270	Family 1.15.3 - Leucine Rich Repeat Kinase IV
1_E3	AT5G63710	Family 1.12.2 - Leucine Rich Repeat Kinase II & X
1_E4	AT2G46700	Family 4.2.1 - Calcium Dependent Protein Kinase
1_E5	AT3G57730	Group 1.17 - Wall Associated Kinase
1_E6	AT5G56040	Family 1.12.4 - Leucine Rich Repeat Kinase XI & XII

1_E7	AT2G43850	Family 2.1.2 - Ankyrin Repeat Domain Kinase
1_E8	AT3G46290	Family 1.3.1 - CRPK1L (type 1)
1_E9	AT2G31880	Family 1.12.5 - Leucine Rich Repeat Kinase X
1_F1	AT4G23050	Family 2.1.3 - CTR1/EDR1 Kinase
1_F10	AT2G39660	Family 1.2.2 - Receptor Like Cytoplasmic Kinase VII
1_F11	AT1G34300	Family 1.9.2 - S Domain Kinase (Type 2)
1_F12	AT5G01890	Family 1.12.3 - Leucine Rich Repeat Kinase VII
1_F2	AT1G30270	Family 4.2.4 - SNF1 Related Protein Kinase (SnRK)
1_F3	AT1G34300	Family 1.9.2 - S Domain Kinase (Type 2)
1_F4	AT1G10940	Family 4.2.4 - SNF1 Related Protein Kinase (SnRK)
1_F5	AT3G45780	Family 4.2.6 - IRE/NPH/PI dependent/S6 Kinase
1_F6	AT5G47750	Family 4.2.6 - IRE/NPH/PI dependent/S6 Kinase
1_F7	AT5G45800	Family 1.17.1 - Wall Associated Kinase
1_F8	AT1G21590	Family 1.10.1 - Receptor Like Cytoplasmic Kinase VI
1_F9	AT3G45640	Family 4.5.1 - MAPK Family
1_G1	AT3G1220	Family 4.1.6 - Unknown Function Kinase
1_G10	AT1G74740	Family 4.2.1 - Calcium Dependent Protein Kinase
1_G11	AT3G61160	Family 4.5.4 - GSK3/Shaggy Like Protein Kinase Family
1_G12	AT5G40540	Family 2.1.5 - ATN1 Like Family
1_G2	AT2G28250	Family 1.2.1 - Receptor Like Cytoplasmic Kinase VIII
1_G3	AT3G17410	Family 1.2.1 - Receptor Like Cytoplasmic Kinase VIII
1_G4	AT1G69220	Family 4.1.2 - STE20-PAK Like Protein Kinase
1_G5	AT3G08730	Family 4.2.6 - IRE/NPH/PI dependent/S6 Kinase
1_G6	AT4G23290	Family 1.7.2 - Domain of Unknown Function 26 Kinase
1_G7	AT1G54510	Family 4.1.6 - Unknown Function Kinase
1_G8	AT1G27190	Family 1.12.1 - Leucine Rich Repeat Kinase X
1_G9	AT4G00720	Family 4.5.4 - GSK3/Shaggy Like Protein Kinase Family
1_H1	AT3G44200	Family 4.1.6 - Unknown Function Kinase
1_H10	AT5G58380	Family 4.2.4 - SNF1 Related Protein Kinase (SnRK)
1_H11	AT5G66790	Family 1.5.1 - Wall Associated Kinase-like Kinase
1_H2	AT1G72180	Family 1.12.4 - Leucine Rich Repeat Kinase XI & XII
1_H3	AT1G51170	Family 4.2.6 - IRE/NPH/PI dependent/S6 Kinase
1_H4	AT1G56145	LRR family protein / protein kinase family protein
1_H5	AT5G49760	Family 1.3.2 - Leucine Rich Repeat Receptor VIII (Type 1)
1_H6	AT1G20930	Family 4.5.2 - CDC2 Like Kinase Family
1_H7	AT5G23170	Family 1.14.1 - Crinkly 4 Like Kinase
1_H8	AT4G04570	Family 1.7.2 - Domain of Unknown Function 26 (DUF26) Kinase
1_H9	AT3G28450	Family 1.12.1 - Leucine Rich Repeat Kinase X
10_A1	AT4G26340	F-box family protein, contains F-box domain Pfam:PF00646
10_A10	AT1G10230	E3 ubiquitin ligase SCF complex subunit SKP1/ASK1
10_A11	AT1G20140	E3 ubiquitin ligase SCF complex subunit, putative
10_A12	AT5G42190	E3 ubiquitin ligase SCF complex subunit SKP1/ASK1
10_A2	AT3G61060	F-box family protein / lectin-related
10_A3	AT4G03190	F-box family protein (FBL18)
10_A4	AT3G61060	F-box family protein / lectin-related
10_A5	AT3G62980	transport inhibitor response 1
10_A6	AT3G12350	F-box family protein
10_A7	AT5G59140	SKP1 family protein
10_A8	AT1G75950	E3 ubiquitin ligase SCF complex subunit SKP1/ASK1
10_A9	AT2G21950	SKP1 interacting partner 6 (SKIP6)
10_B1	AT5G52470	fibrillarin 1 (FBR1) (FIB1) (SKIP7)
10_B10	AT4G02370	expressed protein
10_B11	AT2G27730	expressed protein
10_B12	AT5G64400	expressed protein
10_B2	AT3G54480	SKP1 interacting partner 5 (SKIP5)
10_B3	AT5G67250	SKP1 interacting partner 2 (SKIP2)
10_B4	AT5G67370	expressed protein
10_B5	AT5G64470	expressed protein
10_B6	AT5G06560	expressed protein
10_B7	AT4G31330	expressed protein
10_B8	AT3G52060	expressed protein
10_B9	AT2G30510	unknown protein

10_C1	AT5G65180	expressed protein
10_C10	AT1G08040	expressed protein
10_C11	AT5G52870	expressed protein
10_C12	AT5G55120	expressed protein
10_C2	AT4G22310	expressed protein
10_C3	AT1G09310	expressed protein
10_C4	AT5G18130	expressed protein
10_C5	AT4G38360	expressed protein
10_C6	AT5G66480	expressed protein
10_C7	AT3G51040	expressed protein
10_C8	AT5G51150	expressed protein
10_C9	AT3G18215	expressed protein
10_D1	AT3G15810	expressed protein
10_D10	AT1G13000	expressed protein
10_D11	AT5G43650	basic helix-loop-helix (bHLH) family protein
10_D12	AT3G47250	expressed protein
10_D2	AT5G60680	expressed protein
10_D3	AT1G49840	expressed protein
10_D4	AT5G64780	expressed protein
10_D5	AT1G12120	expressed protein
10_D6	AT5G11420	expressed protein
10_D7	AT3G18350	expressed protein
10_D8	AT4G08700	purine permease family protein
10_D9	AT1G77145	expressed protein
10_E1	AT1G52630	expressed protein
10_E10	AT5G47420	expressed protein
10_E11	AT5G17190	expressed protein
10_E12	AT3G21520	expressed protein
10_E2	AT2G44930	expressed protein
10_E3	AT1G77220	expressed protein
10_E4	AT3G07350	expressed protein
10_E5	AT5G51020	expressed protein
10_E6	AT2G45260	expressed protein
10_E7	AT1G19800	expressed protein
10_E8	AT5G42070	expressed protein
10_E9	AT2G36430	expressed protein
10_F1	AT5G16380	expressed protein
10_F10	AT1G66410	calmodulin-1/4 (CAM4)
10_F11	AT1G66400	calmodulin-related protein
10_F12	AT1G62820	calmodulin, putative
10_F2	AT3G09980	expressed protein
10_F3	AT1G23960	expressed protein
10_F4	AT5G24680	expressed protein
10_F5	AT5G46790	expressed protein
10_F6	AT4G16410	expressed protein
10_F7	AT2G41410	calmodulin, putative
10_F8	AT5G57580	calmodulin, putative
10_F9	AT3G56800	calmodulin-2/3/5 (CAM3)
10_G1	AT3G51920	calmodulin-9
10_G10	AT5G61810	mitochondrial substrate carrier family protein
10_G11	AT3G18430	calcium-binding EF hand family protein
10_G12	AT2G35800	mitochondrial substrate carrier family protein
10_G2	AT3G03000	calmodulin, putative
10_G3	AT5G21274	calmodulin-6 (CAM6)
10_G4	AT5G37780	calmodulin-1/4 (CAM1)
10_G5	AT1G12310	calmodulin, putative
10_G6	AT3G22930	calmodulin, putative
10_G7	AT5G42380	calmodulin, putative
10_G8	AT3G10190	calmodulin, putative
10_G9	AT1G76650	calcium-binding EF hand family protein
10_H1	AT5G24270	calcineurin B-like protein, putative
10_H10	AT3G13320	ATCAX2, CATION EXCHANGER 2

10_H11	AT5G39670	calcium-binding EF hand family protein
10_H12	AT1G62480	vacuolar calcium-binding protein-related
10_H2	AT2G33380	calcium-binding RD20 protein (RD20)
10_H3	AT5G28900	calcium-binding EF hand family protein
10_H4	AT4G32060	calcium-binding EF hand family protein
10_H5	AT5G47100	CALCINEURIN B-LIKE PROTEIN 1, CBL1
10_H6	AT1G03960	calcium-binding EF hand family protein
10_H7	AT4G03290	calcium-binding EF hand family protein
10_H8	AT1G02270	endonuclease/exonuclease/phosphatase family
10_H9	AT2G46600	calcium-binding protein, putative
11_A1	AT1G53570	At putative MAP3K
11_A10	AT1G32320	At MAP kinase
11_A11	AT3G21220	At MAP kinase kinase 5
11_A12	AT5G56580	At kinase MEK1 homolog
11_A2	AT4G08470	At putative MAP3K
11_A3	AT4G08480	At putative MAP3K
11_A4	AT1G23700	At putative STE20/PAK-like kinase
11_A5	AT1G79640	At putative STE20/PAK-like kinase
11_A6	AT1G64850	calcium-binding EF hand family protein
11_A7	AT4G27280	calcium-binding EF hand family protein
11_A8	AT4G14480	At At4g14480 kinase like protein
11_A9	AT1G18350	At MAP kinase kinase 5
11_B1	AT5G28080	At probable MAP kinase
11_B10	AT3G59790	AtMPK-like
11_B11	AT4G11330	AtMPK5
11_B12	AT4G13020	MHK
11_B2	AT5G55560	At putative protein
11_B3	AT3G04910	At Putative mitogen activated kinase
11_B4	AT2G18170	AtMPK7
11_B5	AT5G19010	AtMPK9
11_B6	AT5G45430	AtMPK23
11_B7	AT1G07880	AtMPK13
11_B8	AT2G46070	AtMPK12
11_B9	AT3G14720	AtMPK19
11_C1	AT4G36450	AtMPK-like
11_C10	AT5G58950	putative GmPK6-like protein kinase
11_C11	AT1G62400	putative GmPK6-like protein kinase
11_C12	AT3G01490	putative ATMRK1-like protein kinase
11_C2	AT1G14000	putative protein kinase
11_C3	AT2G31800	putative protein kinase
11_C4	AT2G42630	putative protein kinase
11_C5	AT2G31010	putative protein kinase
11_C6	AT3G06640	putative PAS-domain containing kinase
11_C7	AT3G06630	putative PAS-domain containing protein kinase
11_C8	AT4G24480	putative CTR1-like protein kinase
11_C9	AT3G24720	putative protein kinase
11_D1	AT1G21550	calcium-binding protein, putative
11_D10	AT1G07150	putative protein kinase
11_D11	AT2G32510	putative protein kinase
11_D12	AT4G26890	Putative NPK1-related protein kinase
11_D2	AT3G46930	putative GmPK6-like protein kinase
11_D3	AT4G35780	putative ACT-domain containing protein kinase
11_D4	AT1G53210	sodium/calcium exchanger family protein
11_D5	AT5G50000	putative ATMRK1-like protein kinase
11_D6	AT5G57610	putative protein kinase
11_D7	AT3G50720	putative protein kinase
11_D8	AT3G50730	putative protein kinase
11_D9	AT5G66710	protein kinase ATN1 like protein
11_E1	AT5G67080	protein kinase like protein
11_E10	AT2G41090	calmodulin-like calcium-binding protein
11_E11	AT4G14640	divergent member of calmodulin
11_E12	AT2G41100	touch-responsive protein / calmodulin-related protein 3

11_E2	AT5G58350	WNK4 Encodes a member of the WNK family
11_E3	AT1G64630	protein kinase family protein
11_E4	AT5G01850	protein kinase family protein
11_E5	AT3G58760	ankyrin protein kinase, putative
11_E6	AT2G27030	calmodulin-2/3/5 (CAM5) (TCH1)
11_E7	AT2G41110	calmodulin-2/3/5 (CAM2) (CAL1)
11_E8	AT3G43810	calmodulin-7 (CAM7)
11_E9	AT3G43810	calmodulin-7 (CAM7)
11_F1	AT2G41100	touch-responsive protein / calmodulin-related protein 3
11_F10	AT3G56660	bZIP family transcription factor
11_F11	AT1G77920	bZIP transcription factor, bZIP50
11_F12	AT2G46270	GBF3 bZIP transcription factor, bZIP50
11_F2	AT2G41070	DPBF4 bZIP family transcription factor
11_F3	AT2G40620	bZip DNA binding protein
11_F4	AT2G17770	bZIP transcription factor -related
11_F5	AT3G10800	bZIP family transcription factor
11_F6	AT2G13150	bZIP family transcription factor
11_F7	AT2G12980	plant transposase (Pta/En/Spm) family
11_F8	AT2G12900	bZIP transcription factor family protein
11_F9	AT1G45249	ABF2/AREB1 "ABA-responsive element binding protein 1
11_G1	AT5G11260	HY5 G-box binding bZIP transcription factor
11_G10	AT4G20780	calcium-binding protein, putative
11_G11	AT1G55730	ATCAX5, CAX5; cation exchanger, putative (CAX5)
11_G12	AT2G14720	VSR-2; vacuolar sorting receptor, putative
11_G2	AT1G13600	bZIP family transcription factor
11_G3	AT1G19490	bZIP protein
11_G4	AT3G44460	DPBF2"bZIP protein; Dc3 promoter-binding factor-1
11_G5	AT1G32150	G-Box binding protein -related
11_G6	AT5G07160	bZIP family transcription factor
11_G7	AT2G21235	"bZIP protein -related
11_G8	AT5G17860	cation exchanger, putative (CAX7)
11_G9	AT5G28850	calcium-binding EF hand family protein
11_H1	AT5G04170	calcium-binding EF hand family protein
11_H10	AT1G60350	NAC
11_H11	AT3G61910	NAC
11_H12	AT3G18400	NAC
11_H2	AT5G54130	calcium-binding EF hand family protein
11_H3	AT2G15680	calmodulin-related protein, putative
11_H4	AT1G60300	NAC
11_H5	AT1G03490	NAC
11_H6	AT3G04070	NAC
11_H7	AT5G04410	NAC
11_H8	AT3G04420	NAC
11_H9	AT3G04430	NAC
2_C1	AT4G31100	Family 1.5.1 - Wall Associated Kinase-like Kinase
2_C10	AT4G23220	Family 1.7.2 - Domain of Unknown Function 26 Kinase
2_C11	AT4G23180	Family 1.7.2 - Domain of Unknown Function 26 Kinase
2_C12	AT5G01540	Family 1.11.1 - Legume Lectin Domain Kinase
2_C2	AT3G12690	Family 4.2.6 - IRE/NPH/PI dependent/S6 Kinase
2_C3	AT5G66880	Family 4.2.4 - SNF1 Related Protein Kinase (SnRK)
2_C4	AT5G58140	Family 4.2.6 - IRE/NPH/PI dependent/S6 Kinase
2_C5	AT4G20270	Family 1.12.4 - Leucine Rich Repeat Kinase XI & XII
2_C6	AT3G53810	Family 1.11.1 - Legume Lectin Domain Kinase
2_C7	AT5G47070	Family 1.2.2 - Receptor Like Cytoplasmic Kinase VII
2_C8	AT5G41180	Family 1.15.1 - Receptor Like Cytoplasmic Kinase I
2_C9	AT2G31560	expressed protein
2_D1	AT4G23260	Family 1.7.2 - Domain of Unknown Function 26 Kinase
2_D10	AT4G23140	Family 1.7.2 - Domain of Unknown Function 26 Kinase
2_D11	AT2G28930	Family 1.2.2 - Receptor Like Cytoplasmic Kinase VII
2_D12	AT4G28880	Family 3.1.1 - Casein Kinase I Family
2_D2	AT3G63280	Family 4.1.6 - Unknown Function Kinase
2_D3	AT5G50180	Family 2.1.5 - ATN1 Like Family

2_D4	AT3G15220	Family 4.1.2 - STE20-PAK Like Protein Kinase
2_D5	AT5G59670	Family 1.8.1 - Leucine Rich Repeat Kinase I
2_D6	AT5G62710	Family 1.12.2 - Leucine Rich Repeat Kinase II & X
2_D7	AT3G20200	Family 1.14.2 - Receptor Like Cytoplasmic Kinase IX
2_D8	AT1G49180	Family 4.1.7 - APG1 Like Kinase
2_D9	AT4G32250	Family 2.2.1 - Unknown Function Kinase
2_E1	AT5G65530	Family 1.10.1 - Receptor Like Cytoplasmic Kinase VI
2_E10	AT5G64960	Family 4.5.2 - CDC2 Like Kinase Family
2_E11	AT1G21250	Family 1.5.1 - Wall Associated Kinase-like Kinase
2_E12	AT1G11050	Family 1.6.4 - RKF3 Like Kinase
2_E2	AT3G05840	Family 4.5.4 - GSK3/Shaggy Like Protein Kinase Family
2_E3	AT5G19450	Family 4.2.1 - Calcium Dependent Protein Kinase
2_E4	AT5G60900	Family 1.9.2 - S Domain Kinase (Type 2)
2_E5	AT1G79570	Family 2.1.4 - GmPK6/AtMRK1 Family
2_E6	AT3G05840	Family 4.5.4 - GSK3/Shaggy Like Protein Kinase Family
2_E7	AT1G06730	pfkB-type carbohydrate kinase family protein
2_E8	AT2G44680	casein kinase II beta chain, putative
2_E9	AT4G29810	Family 4.1.4 - MAP2K
2_F1	AT3G13670	Family 3.1.1 - Casein Kinase I Family
2_F10	AT3G23000	Family 4.2.4 - SNF1 Related Protein Kinase (SnRK)
2_F11	AT5G10270	Family 4.5.2 - CDC2 Like Kinase Family
2_F12	AT1G21270	Family 1.5.1 - Wall Associated Kinase-like Kinase
2_F2	AT2G19470	Family 3.1.1 - Casein Kinase I Family
2_F3	AT3G51630	Family 4.1.5 - Possible MAP2K
2_F4	AT2G37710	Family 1.11.1 - Legume Lectin Domain Kinase
2_F5	AT5G66850	Family 4.1.1 - MAP3K
2_F6	AT4G08500	Family 4.1.1 - MAP3K
2_F7	AT2G42880	Family 4.5.1 - MAPK Family
2_F8	AT4G11890	Family 1.14.2 - Receptor Like Cytoplasmic Kinase IX
2_F9	AT1G08650	Family 4.2.2 - Phosphoenolpyruvate Carboxylase Kinase
2_G1	AT2G37250	adenylate kinase family protein
2_G10	AT3G25840	Family 4.5.5 - Unknown Function Kinase
2_G11	AT4G10390	Family 5.1.2 - Other Kinase
2_G12	AT1G73690	Family 4.5.2 - CDC2 Like Kinase Family
2_G2	AT1G16670	Family 1.7.1 - S Domain Kinase (Type 1)
2_G3	AT5G44290	Family 4.5.2 - CDC2 Like Kinase Family
2_G4	AT3G21630	Family 1.1.3 - LysM Domain Kinase
2_G5	AT5G10930	Family 4.2.4 - SNF1 Related Protein Kinase (SnRK)
2_G6	AT1G67720	Family 1.8.1 - Leucine Rich Repeat Kinase I
2_G7	AT5G16000	Family 1.12.2 - Leucine Rich Repeat Kinase II & X
2_G8	AT3G51740	Family 1.12.3 - Leucine Rich Repeat Kinase VII
2_G9	AT1G05100	Family 4.4.1 - Unknown Function Kinase
2_H1	AT1G61590	Family 1.2.2 - Receptor Like Cytoplasmic Kinase VII
2_H10	AT3G27560	Family 2.1.5 - ATN1 Like Family
2_H11	AT1G10700	ribose-phosphate pyrophosphokinase 3
2_H12	AT2G11520	Family 1.5.3 - Receptor Like Cytoplasmic Kinase IV
2_H2	AT3G23340	Family 3.1.1 - Casein Kinase I Family
2_H3	AT1G54610	Family 4.5.2 - CDC2 Like Kinase Family
2_H4	AT1G07870	Family 1.2.2 - Receptor Like Cytoplasmic Kinase VII
2_H5	AT3G29160	Family 4.2.4 - SNF1 Related Protein Kinase (SnRK)
2_H6	AT4G28540	Family 3.1.1 - Casein Kinase I Family
2_H7	AT5G10520	Family 1.10.1 - Receptor Like Cytoplasmic Kinase VI
2_H8	AT1G76540	Family 4.5.2 - CDC2 Like Kinase Family
2_H9	AT1G18160	Family 2.1.3 - CTR1/EDR1 Kinase
3_A1	AT1G09230	RNA recognition motif (RRM)-containing protein
3_A10	AT4G24770	31-KDA RNA BINDING PROTEIN, ATRBP33
3_A11	AT4G36960	RNA recognition motif (RRM)-containing protein
3_A12	AT5G04430	KH domain-containing protein NOVA, putative
3_A2	AT3G19760	eukaryotic translation initiation factor 4A, putative
3_A3	AT3G23830	glycine-rich RNA-binding protein, putative
3_A4	AT3G25150	nuclear transport factor 2 (NTF2) family protein
3_A5	AT4G16830	nuclear RNA-binding protein (RGGA)

3_A6	AT3G52380	33 kDa ribonucleoprotein, chloroplast, putative
3_A7	AT3G53460	nuclear gene with a consensus RNA-binding domain
3_A8	AT4G10610	RNA recognition motif-type RNA-binding protein (RBP37)
3_A9	AT4G14790	ATSUV3 a nuclear-encoded DExH box RNA helicase
3_B1	AT5G04600	RNA recognition motif (RRM)-containing protein
3_B10	AT5G25060	RNA recognition motif (RRM)-containing protein
3_B11	AT1G51520	expressed protein
3_B12	AT3G15010	RNA recognition motif (RRM)-containing protein
3_B2	AT5G46250	RNA recognition motif (RRM)-containing protein
3_B3	AT5G50250	31 kDa ribonucleoprotein, chloroplast, putative
3_B4	AT3G03920	Gar1 RNA-binding region family protein
3_B5	AT1G09340	T31J12.6, T31J12_6, expressed protein
3_B6	AT2G28380	double-stranded RNA-binding domain-containing protein
3_B7	AT3G54230	zinc finger protein-related
3_B8	AT1G72320	pumilio/Puf RNA-binding domain-containing protein
3_B9	AT3G52150(52145)	RNA recognition motif (RRM)-containing protein
3_C1	AT5G19350	RNA-binding protein 45 (RBP45), putative
3_C10	AT1G14340	RNA recognition motif (RRM)-containing protein
3_C11	AT1G29400	RNA recognition motif (RRM)-containing protein
3_C2	AT1G47490	RNA-binding protein 47 (RBP47), putative
3_C3	AT2G37220	29 kDa ribonucleoprotein, chloroplast, putative
3_C4	AT4G27000	RNA-binding protein 45 (RBP45), putative
3_C5	AT1G30480	recombination and DNA-damage resistance protein (DRT111)
3_C6	AT5G55550	RNA recognition motif (RRM)-containing protein
3_C7	AT5G54580	RNA recognition motif (RRM)-containing protein
3_C8	AT3G56860	UBP1 interacting protein 2a (UBA2a)
3_C9	AT5G64200	arginine/serine-rich splicing factor SC35
4_A1	AT3G06620	Family 2.1.3 - CTR1/EDR1 Kinase
4_A10	AT1G65190	PK unknown function, similarity with S-receptor kinases
4_A11	AT4G11010	nucleoside diphosphate kinase 3 (ndpk3)
4_A12	AT5G09890	Family 4.2.6 - IRE/NPH/PI dependent/S6 Kinase
4_A2	AT3G63260	Family 2.1.4 - GmPK6/AtMRK1 Family
4_A3	AT1G03740	Family 4.5.2 - CDC2 Like Kinase Family
4_A4	AT1G68690	Family 1.6.2 - Plant External Response Like Kinase
4_A5	AT5G43710	glycoside hydrolase family 47 protein
4_A6	AT5G56630	pyrophosphate-dependent phosphofructo-1-kinase-like
4_A7	AT1G09020	protein kinase, putative
4_A8	AT3G56050	Family 1.15.1 - Receptor Like Cytoplasmic Kinase I
4_A9	AT2G40120	Family 4.5.8 - Unknown Function Kinase
4_B1	AT4G21940	Family 4.2.1 - Calcium Dependent Protein Kinase
4_B10	AT5G43600	N-carbamyl-L-amino acid amidohydrolase-like protein
4_B11	AT5G49650	xylulose kinase
4_B12	AT2G47060	Family 1.2.1 - Receptor Like Cytoplasmic Kinase VIII
4_B2	AT3G21510	two-component phosphorelay mediator, putative
4_B3	AT3G06483	pyruvate dehydrogenase like kinase
4_B4	AT3G45240	Family 4.2.7 - ELM1/PAK1/TOS3 Like Kinase
4_B5	AT1G80380	phosphoribulokinase/uridine kinase-related
4_B6	AT2G23450	Family 1.5.1 - Wall Associated Kinase-like Kinase
4_B7	AT3G07800	putative thymidine kinase
4_B8	AT5G63400	adenylate kinase
4_B9	AT5G51830	fructokinase 1
4_C1	AT4G31170	Family 2.1.4 - GmPK6/AtMRK1 Family
4_C10	AT2G22480	pyrophosphate--fructose-6-phosphate 1-phosphotransferase
4_C11	AT3G10700	galactokinase-like protein
4_C12	AT2G20300	Family 1.2.2 - Receptor Like Cytoplasmic Kinase VII
4_C2	AT5G39340	His-Asp Phosphotransfer Signal Transducer AHP3
4_C3	AT3G45090	2-phosphoglycerate kinase-related
4_C4	AT2G17340	pantothenate kinase-related
4_C5	AT3G18680	uridylate kinase like protein
4_C6	AT1G60890	putative phosphatidylinositol-4-phosphate 5-kinase
4_C7	AT2G40860	putative protein phosphatase 2C
4_C8	AT3G49160	pyruvate kinase -like protein

4_C9	AT4G00330	Family 1.5.3 - Receptor Like Cytoplasmic Kinase IV
4_D1	AT2G31390	putative fructokinase
4_D10	AT5G43320	Family 3.1.1 - Casein Kinase I Family
4_D11	AT5G26751	shaggy-like kinase alpha
4_D12	AT1G71840	transducin family protein / WD-40 repeat family protein
4_D2	AT1G29370	kinase-related
4_D3	AT4G35030	Family 1.10.1 - Receptor Like Cytoplasmic Kinase VI
4_D4	AT5G16760	Inositol 1,3,4-Trisphosphate 5/6 kinase
4_D5	AT5G57015	casein kinase, putative, similar to casein kinase I
4_D6	AT5G35170	adenylate kinase -like protein
4_D7	AT3G61080	fructosamine kinase family protein
4_D8	AT3G63330	protein kinase family protein
4_D9	AT3G57120	protein kinase family protein
4_E1	AT1G11130	LRR receptor-like protein kinase strubbelig (SUB)
4_E10	AT2G17290	Family 4.2.1 - Calcium Dependent Protein Kinase
4_E11	AT1G32440	pyruvate kinase, putative
4_E12	AT2G46500	phosphatidylinositol 3- and 4-kinase family protein
4_E2	AT1G30280	expressed protein
4_E3	AT5G63310	nucleoside diphosphate kinase Ia
4_E4	AT2G43980	inositol 1,3,4-trisphosphate 5/6-kinase family protein
4_E5	AT4G26610	Family 4.2.6 - IRE/NPH/PI dependent/S6 Kinase
4_E6	AT3G08720	Family 4.2.6 - IRE/NPH/PI dependent/S6 Kinase
4_E7	AT2G18730	diacylglycerol kinase, putative
4_E8	AT3G01820	adenylate kinase family protein
4_E9	AT2G45910	Family 1.14.2 - Receptor Like Cytoplasmic Kinase IX
4_F1	AT1G19600	pfkB-type carbohydrate kinase family protein
4_F10	AT4G08470	Family 4.1.1 - MAP3K
4_F11	AT5G40440	Family 4.1.4 - MAP2K
4_F12	AT5G39420	Family 4.5.2 - CDC2 Like Kinase Family
4_F2	AT1G09000	Family 4.1.1 - MAP3K
4_F3	AT3G20530	Family 1.2.2 - Receptor Like Cytoplasmic Kinase VII
4_F4	AT1G73500	Family 4.1.3 - MAP2K
4_F5	AT5G56460	Family 1.2.2 - Receptor Like Cytoplasmic Kinase VII
4_F6	AT4G35030	Family 1.10.1 - Receptor Like Cytoplasmic Kinase VI
4_F7	AT1G24030	Family 1.2.2 - Receptor Like Cytoplasmic Kinase VII
4_F8	AT1G07570	Family 1.2.2 - Receptor Like Cytoplasmic Kinase VII
4_F9	AT2G43790	Family 4.5.1 - MAPK Family
4_G1	AT2G01450	Family 4.5.1 - MAPK Family
4_G10	AT4G30820	CDK assembly factor-related
4_G11	AT4G14780	Family 2.1.4 - GmPK6/AtMRK1 Family
4_G12	AT3G20200	Family 1.14.2 - Receptor Like Cytoplasmic Kinase IX
4_G2	AT4G33080	Family 4.2.6 - IRE/NPH/PI dependent/S6 Kinase
4_G3	AT5G50860	Family 4.5.2 - CDC2 Like Kinase Family
4_G4	AT1G09000	Family 4.1.1 - MAP3K
4_G5	AT3G17850	Family 4.2.6 - IRE/NPH/PI dependent/S6 Kinase
4_G6	AT1G71697	ATCK1, Encodes choline kinase
4_G7	AT2G46070	Family 4.5.1 - MAPK Family
4_G8	AT4G13000	Family 4.2.6 - IRE/NPH/PI dependent/S6 Kinase
4_G9	AT5G18910	Family 1.10.1 - Receptor Like Cytoplasmic Kinase VI
4_H1	AT4G35500	Family 4.5.7 - Unknown Function Kinase
4_H2	AT1G50610	Family 1.13.4 - Leucine Rich Repeat Kinase III
4_H3	AT5G40440	Family 4.1.4 - MAP2K
4_H4	AT1G66750	Family 4.5.2 - CDC2 Like Kinase Family
6_A1	AT2G17700	protein kinase family protein
6_A10	AT2G43790	Family 4.5.1 - MAPK Family
6_A11	AT4G19110	Family 4.5.1 - MAPK Family
6_A12	AT5G08570	pyruvate kinase, putative
6_A2	AT5G60760	2-phosphoglycerate kinase-related
6_A3	AT2G39270	adenylate kinase family protein
6_A4	AT2G30360	Family 4.2.4 - SNF1 Related Protein Kinase (SnRK)
6_A5	AT5G67520	adenylylsulfate kinase, putative
6_A6	AT2G45590	protein kinase family protein

6_A7	AT5G11620	MAPKKK-related
6_A8	AT2G22910	GCN5-related N-acetyltransferase (GNAT) family protein
6_A9	AT3G20410	Family 4.2.1 - Calcium Dependent Protein Kinase
6_B1	AT5G39790	5'-AMP-activated protein kinase beta-1 subunit-related
6_B10	AT5G52920	pyruvate kinase, putative
6_B11	AT4G26270	phosphofructokinase family protein
6_B12	AT5G47810	phosphofructokinase family protein
6_B2	AT4G08170	inositol 1,3,4-trisphosphate 5/6-kinase family protein
6_B3	AT4G27600	pfkB-type carbohydrate kinase family protein
6_B4	AT4G37870	phosphoenolpyruvate carboxykinase (ATP)
6_B5	AT4G23650	Family 4.2.1 - Calcium Dependent Protein Kinase
6_B6	AT1G03930	Family 3.1.1 - Casein Kinase I Family
6_B7	AT1G68400	Family 1.13.3 - Leucine Rich Repeat Kinase III
6_B8	AT1G49820	5-methylthioribose kinase family
6_B9	AT5G61760	inositol polyphosphate 6-/3-/5-kinase 2b (IPK2b)
6_C1	AT4G39940	adenylylsulfate kinase 2 (AKN2)
6_C10	AT3G10030	aspartate/glutamate/uridylylate kinase family protein
6_C11	AT1G75100	expressed protein
6_C12	AT2G35500	shikimate kinase-related
6_C2	AT1G02880	Family 1.2.2 - Receptor Like Cytoplasmic Kinase VII
6_C3	AT5G19150	carbohydrate kinase family
6_C4	AT4G28706	pfkB-type carbohydrate kinase family protein
6_C5	AT5G41990	Family 4.1.5 - Possible MAP2K
6_C6	AT1G10940	Family 4.2.4 - SNF1 Related Protein Kinase (SnRK)
6_C7	AT4G29130	hexokinase 1 (HXK1)
6_C8	AT4G35360	pantothenate kinase family protein
6_C9	AT1G76540	Family 4.5.2 - CDC2 Like Kinase Family
6_D1	AT5G58730	pfkB-type carbohydrate kinase family protein
6_D10	AT3G01640	GHMP kinase family protein
6_D11	AT2G44530	ribose-phosphate pyrophosphokinase, putative
6_D12	AT3G52990	pyruvate kinase, putative
6_D2	AT5G64070	phosphatidylinositol 4-kinase (PI4K)
6_D3	AT5G13280	aspartate kinase
6_D4	AT2G36580	pyruvate kinase, putative
6_D5	AT3G29160	Family 4.2.4 - SNF1 Related Protein Kinase (SnRK)
6_D6	AT3G22750	Family 2.1.4 - GmPK6/AtMRK1 Family
6_D7	AT1G52540	Family 1.17.1 - Wall Associated Kinase
6_D8	AT1G64300	Family 2.1.1 - Light Sensor Kinase
6_D9	AT5G38990	Family 1.9.1 - CRPK1 Like Kinase (Types 1 and 2)
6_E1	AT5G47840	adenylate kinase, chloroplast, putative
6_E10	AT3G53030	Family 4.5.7 - Unknown Function Kinase
6_E11	AT4G17080	MORN repeat-containing protein
6_E12	AT3G13690	Family 1.6.2 - Plant External Response Like Kinase
6_E2	AT2G24360	Family 2.1.4 - GmPK6/AtMRK1 Family
6_E3	AT5G25110	CBL-interacting protein kinase 25 (CIPK25)
6_E4	AT3G57760	protein kinase family protein
6_E5	AT5G56890	protein kinase family protein
6_E6	AT3G25560	Family 1.12.2 - Leucine Rich Repeat Kinase II & X
6_E7	AT2G03890	phosphatidylinositol 3- and 4-kinase family protein
6_E8	AT1G73980	phosphoribulokinase/uridine kinase family protein
6_E9	AT2G23030	protein kinase, putative
6_F1	AT2G19860	hexokinase 2 (HXK2)
6_F10	AT4G34380	transducin family protein / WD-40 repeat family protein
6_F11	AT4G17640	casein kinase II beta chain, putative
6_F12	AT4G23170	protein kinase family protein
6_F2	AT1G18150	Family 4.5.1 - MAPK Family
6_F3	AT5G50370	adenylate kinase, putative
6_F4	AT5G23450	diacylglycerol kinase family protein
6_F5	AT2G30500	kinase interacting family protein
6_F6	AT4G21470	riboflavin kinase/FAD synthetase family protein
6_F7	AT4G32840	phosphofructokinase family protein
6_F8	AT1G59580	Family 4.5.1 - MAPK Family

6_F9	AT4G39540	shikimate kinase family protein
6_G1	AT2G39110	Family 1.2.2 - Receptor Like Cytoplasmic Kinase VII
6_G10	AT1G74490	Receptor Like Cytoplasmic Kinase VII
6_G11	AT1G77720	Family 4.4.4 - Unknown Function Kinase
6_G12	AT2G14750	adenylylsulfate kinase 1 (AKN1)
6_G2	AT1G30540	ATPase, BadF/BadG/BcrA/BcrD-type family
6_G3	AT1G20030	pathogenesis-related thaumatin family protein
6_G4	AT1G32380	ribose-phosphate pyrophosphokinase 2
6_G5	AT5G53450	protein kinase family protein
6_G6	AT1G20950	pyrophosphate--fructose-6-phosphate 1-phosphotransferase
6_G7	AT1G18890	Family 4.2.1 - Calcium Dependent Protein Kinase
6_G8	AT3G07070	Family 1.2.2 - Receptor Like Cytoplasmic Kinase VII
6_G9	AT1G79550	phosphoglycerate kinase, putative
6_H1	AT3G51930	transducin family protein / WD-40 repeat family protein
6_H10	AT4G04720	Family 4.2.1 - Calcium Dependent Protein Kinase
6_H11	AT2G07180	Family 1.2.2 - Receptor Like Cytoplasmic Kinase VII
6_H12	AT5G10520	Family 1.10.1 - Receptor Like Cytoplasmic Kinase VI
6_H2	AT1G56720	Family 1.6.3 - Receptor Like Cytoplasmic Kinase V
6_H3	AT5G63770	diacylglycerol kinase, putative
6_H4	AT5G63940	Family 1.10.1 - Receptor Like Cytoplasmic Kinase VI
6_H5	AT5G37850	pfkB-type carbohydrate kinase family protein
6_H6	AT4G23150	Family 1.7.2 - Domain of Unknown Function 26 Kinase
6_H7	AT4G23210	protein kinase family protein
6_H8	AT1G06700	Family 1.2.1 - Receptor Like Cytoplasmic Kinase VIII
6_H9	AT1G26640	aspartate/glutamate/uridylylate kinase family protein
7_A1	AT4G36290	ATPase-like domain-containing protein
7_A10	AT2G28400	expressed protein
7_A11	AT3G19520	expressed protein
7_A12	AT5G53130	cyclic nucleotide-regulated ion channel (CNGC1)
7_A2	AT4G36110	auxin-responsive protein, putative
7_A3	AT2G18040	peptidyl-prolyl cis-trans isomerase (PIN1)
7_A4	AT5G19370	rhodanese-like domain-containing protein
7_A5	AT3G55520	immunophilin, putative
7_A6	AT3G56070	peptidyl-prolyl cis-trans isomerase, putative
7_A7	AT2G43560	immunophilin, putative
7_A8	AT5G57940	cyclic nucleotide-regulated ion channel (CNGC5)
7_A9	AT5G47190	ribosomal protein L19 family protein
7_B1	AT4G18650	transcription factor-related
7_B10	AT5G08180	ribosomal protein L7Ae/L30e/S12e/Gadd45 family protein
7_B11	AT3G60690	auxin-responsive family protein
7_B12	AT3G16780	60S ribosomal protein L19 (RPL19B)
7_B2	AT1G20810	immunophilin /
7_B3	AT3G20220	auxin-responsive protein, putative
7_B4	AT2G21220	auxin-responsive protein, putative
7_B5	AT3G03830	auxin-responsive protein, putative
7_B6	AT3G20650	mRNA capping enzyme family protein
7_B7	AT4G12600	ribosomal protein L7Ae/L30e/S12e/Gadd45 family protein
7_B8	AT1G07930	elongation factor 1-alpha / EF-1-alpha
7_B9	AT5G11750	ribosomal protein L19 family protein
7_C1	AT5G45680	FK506-binding protein 1 (FKBP13)
7_C10	AT1G07940	elongation factor 1-alpha / EF-1-alpha
7_C11	AT3G56270	expressed protein
7_C12	AT4G30360	cyclic nucleotide-regulated ion channel, putative (CNGC17)
7_C2	AT1G24240	ribosomal protein L19 family protein
7_C3	AT4G36110	auxin-responsive protein, putative
7_C4	AT5G20160	ribosomal protein L7Ae/L30e/S12e/Gadd45 family protein
7_C5	AT4G30760	expressed protein
7_C6	AT1G57720	elongation factor 1B-gamma, putative
7_C7	AT5G60390	elongation factor 1-alpha / EF-1-alpha
7_C8	AT1G65960	glutamate decarboxylase 2 (GAD 2)
7_C9	AT4G26555	immunophilin
7_D1	AT5G18020	auxin-responsive protein, putative

7_D10	AT4G27780	acyl-CoA binding protein 2 (ACBP2)
7_D11	AT5G16940	expressed protein
7_D12	AT5G27630	acyl-CoA binding family protein
7_D2	AT1G19830	auxin-responsive protein, putative
7_D3	AT5G20810	auxin-responsive protein, putative
7_D4	AT5G18030	auxin-responsive protein, putative
7_D5	AT5G13570	MutT/nudix family protein
7_D6	AT5G44860	expressed protein
7_D7	AT4G34870	peptidyl-prolyl cis-trans isomerase
7_D8	AT1G57720	elongation factor 1B-gamma, putative
7_D9	AT1G31812	acyl-CoA binding protein / ACBP
7_E1	AT1G20090	Rac-like GTP-binding protein (ARAC4)
7_E10	AT1G16920	Ras-related GTP-binding protein, putative
7_E11	AT1G64950	cytochrome P450, putative
7_E12	AT3G26200	cytochrome P450 71B22, putative
7_E2	AT5G62880	Rac-like GTP-binding protein (ARAC10)
7_E3	AT4G18800	Ras-related GTP-binding family protein
7_E4	AT1G72660	developmentally regulated GTP-binding protein, putative
7_E5	AT3G51300	Rac-like GTP-binding protein (ARAC11)
7_E6	AT4G21800	ATP-binding family protein
7_E7	AT3G63150	GTP-binding protein-related
7_E8	AT4G35950	Rac-like GTP-binding protein (ARAC6)
7_E9	AT3G48040	Rac-like GTP-binding protein (ARAC8)
7_F1	AT4G39950	cytochrome P450 79B2, putative (CYP79B2)
7_F10	AT1G50520	cytochrome P450 family protein
7_F11	AT4G12300	cytochrome P450 family protein
7_F12	AT3G20110	cytochrome P450 family protein
7_F2	AT4G19230	cytochrome P450 family protein
7_F3	AT1G11680	obtusifoliol 14-demethylase (CYP51)
7_F4	AT5G57220	cytochrome P450 family protein
7_F5	AT3G28740	cytochrome P450 family protein
7_F6	AT1G16410	cytochrome P450 family protein
7_F7	AT3G48310	cytochrome P450 family protein
7_F8	AT4G37320	cytochrome P450 family protein,
7_F9	AT3G13730	cytochrome P450 family protein
7_G1	AT5G44060	expressed protein
7_G10	AT2G34490	cytochrome P450 family protein
7_G11	AT4G13770	cytochrome P450 family protein
7_G12	AT2G45560	cytochrome P450 family protein
7_G2	AT3G14620	cytochrome P450 family protein
7_G3	AT3G30180	cytochrome P450 family protein
7_G4	AT5G05690	cytochrome P450 90A1 (CYP90A1)
7_G5	AT4G37430	cytochrome P450 81F1 (CYP81F1)
7_G6	AT3G50660	steroid 22-alpha-hydroxylase (CYP90B1)
7_G7	AT2G46960	cytochrome P450 family protein
7_G8	AT3G61100	expressed protein
7_G9	AT5G45340	cytochrome P450 family protein
7_H1	AT4G00360	cytochrome p450, putative,
7_H10	AT5G18150	expressed protein
7_H11	AT5G24910	cytochrome P450 family protein
7_H12	AT4G18630	expressed protein
7_H2	AT3G26180	cytochrome P450 71B20, putative (CYP71B2)
7_H3	AT5G44710	expressed protein
7_H4	AT1G31800	cytochrome P450 family protein
7_H5	AT3G14680	cytochrome P450 family protein
7_H6	AT5G36220	cytochrome P450 81D1 (CYP81D1) (CYP91A1)
7_H7	AT3G20080	cytochrome P450 family protein
7_H8	AT2G30750	cytochrome P450 71A12, putative (CYP71A12)
7_H9	AT2G45970	cytochrome P450, putative,
8_A1	AT4G39510	cytochrome P450 family protein
8_A10	AT1G78490	cytochrome P450 family protein
8_A11	AT3G26220	cytochrome P450 family protein

8_A12	AT3G61880	cytochrome P450 family protein
8_A2	AT3G20100	cytochrome P450 family protein
8_A3	AT1G57750	cytochrome P450 family protein
8_A4	AT1G13110	cytochrome P450 71B7 (CYP71B7)
8_A5	AT5G67310	cytochrome P450 family protein
8_A6	AT3G26170	cytochrome P450 71B19, putative (CYP71B19)
8_A7	AT5G63450	cytochrome P450, putative
8_A8	AT3G20130	cytochrome P450 family protein
8_A9	AT3G44600	peptidyl-prolyl cis-trans isomerase cyclophilin-type protein
8_B1	AT3G26290	cytochrome P450 71B26, putative (CYP71B26)
8_B10	AT5G52640	heat shock protein 81-1 (HSP81-1)
8_B11	AT2G04030	heat shock protein, putative
8_B12	AT5G56010	heat shock protein, putative
8_B2	AT2G30490	trans-cinnamate 4-monooxygenase
8_B3	AT4G15350	cytochrome P450 family protein
8_B4	AT4G13290	cytochrome P450 71A19, putative (CYP71A19)
8_B5	AT4G15380	cytochrome P450 family protein
8_B6	AT4G31950	cytochrome P450 family protein
8_B7	AT3G14660	cytochrome P450 family protein
8_B8	AT4G31500	cytochrome P450 83B1 (CYP83B1)
8_B9	AT1G13080	cytochrome P450 family protein
8_C1	AT1G10350	DNAJ heat shock protein, putative
8_C10	AT4G13830	DNAJ heat shock N-terminal domain-containing protein
8_C11	AT5G48500	expressed protein
8_C12	AT5G59720	18.1 kDa class I heat shock protein (HSP18.1-CI)
8_C2	AT1G80920	DNAJ heat shock N-terminal domain-containing protein
8_C3	AT3G22830	heat shock transcription factor family protein
8_C4	AT5G05750	DNAJ heat shock N-terminal domain-containing protein
8_C5	AT2G25560	DNAJ heat shock N-terminal domain-containing protein
8_C6	AT4G10130	DNAJ heat shock N-terminal domain-containing protein
8_C7	AT5G54070	DNAJ heat shock N-terminal domain-containing protein
8_C8	AT3G09440	heat shock cognate 70 kDa protein 3 (HSC70-3)
8_C9	AT3G44110	DNAJ heat shock N-terminal domain-containing protein
8_D1	AT3G14200	DNAJ heat shock N-terminal domain-containing protein
8_D10	AT5G62020	heat shock factor protein, putative (HSF6)
8_D11	AT5G51440	23.5 kDa mitochondrial small heat shock protein
8_D12	AT4G39960	DNAJ heat shock family protein
8_D2	AT5G51670	expressed protein
8_D3	AT1G54850	expressed protein
8_D4	AT3G08970	DNAJ heat shock N-terminal domain-containing protein
8_D5	AT5G01390	DNAJ heat shock N-terminal domain-containing protein
8_D6	AT5G37670	15.7 kDa class I-related small heat shock protein-like
8_D7	AT1G59980	DNAJ heat shock N-terminal domain-containing protein
8_D8	AT1G07400	17.8 kDa class I heat shock protein (HSP17.8-CI)
8_D9	AT5G12030	17.7 kDa class II heat shock protein 17.6A
8_E1	AT3G24520	heat shock transcription factor family protein
8_E10	AT1G18700	DNAJ heat shock N-terminal domain-containing protein
8_E11	AT2G17880	DNAJ heat shock N-terminal domain-containing protein
8_E12	AT1G80120	expressed protein
8_E2	AT3G11030	expressed protein
8_E3	AT4G39150	DNAJ heat shock N-terminal domain-containing protein
8_E4	AT2G42750	DNAJ heat shock N-terminal domain-containing protein
8_E5	AT2G25560	DNAJ heat shock N-terminal domain-containing protein
8_E6	AT3G62190	DNAJ heat shock N-terminal domain-containing protein
8_E7	AT5G16650	DNAJ heat shock N-terminal domain-containing protein
8_E8	AT1G80030	DNAJ heat shock N-terminal domain-containing protein
8_E9	AT3G46230	17.4 kDa class I heat shock protein (HSP17.4-CI)
8_F1	AT3G19520	expressed protein
8_F10	AT1G79930	heat shock protein, putative
8_F11	AT3G09700	DNAJ heat shock N-terminal domain-containing protein
8_F12	AT4G10250	22.0 kDa ER small heat shock protein (HSP22.0-ER)
8_F2	AT4G13980	heat shock transcription factor family protein

8_F3	AT2G05250	DNAJ heat shock N-terminal domain-containing protein
8_F4	AT4G18880	heat shock transcription factor 21 (HSF21)
8_F5	AT2G32120	heat shock protein 70 family protein
8_F6	AT3G62570	DNAJ heat shock N-terminal domain-containing protein
8_F7	AT3G09440	heat shock cognate 70 kDa protein 3 (HSC70-3)
8_F8	AT2G25140	heat shock protein 100, putative / HSP100, putative
8_F9	AT5G37380	DNAJ heat shock N-terminal domain-containing protein
8_G1	AT4G02100	DNAJ heat shock N-terminal domain-containing protein
8_G10	AT4G37910	heat shock protein 70, mitochondrial, putative / HSP70
8_G11	AT5G02490	heat shock cognate 70 kDa protein 2 (HSC70-2)
8_G12	AT4G11660	heat shock factor protein 7 (HSF7)
8_G2	AT5G25590	expressed protein
8_G3	AT1G76700	DNAJ heat shock N-terminal domain-containing protein
8_G4	AT4G25200	23.6 kDa mitochondrial small heat shock protein
8_G5	AT5G23590	DNAJ heat shock N-terminal domain-containing protein
8_G6	AT1G56300	DNAJ heat shock N-terminal domain-containing protein
8_G7	AT4G32350	expressed protein
8_G8	AT5G06910	DNAJ heat shock N-terminal domain-containing protein
8_G9	AT1G16030	heat shock protein 70, putative / HSP70
8_H1	AT5G49910	heat shock protein 70 / HSP70 (HSC70-7)
8_H10	AT1G20780	armadillo/beta-catenin repeat protein-related
8_H11	AT1G71020	armadillo/beta-catenin repeat family protein
8_H12	AT1G68380	expressed protein
8_H2	AT4G19630	heat shock factor protein-related
8_H3	AT1G27690	expressed protein
8_H4	AT5G56030	heat shock protein 81-2 (HSP81-2)
8_H5	AT1G61770	DNAJ heat shock N-terminal domain-containing protein
8_H6	AT5G02500	heat shock cognate 70 kDa protein 1 (HSC70-1)
8_H7	AT4G19570	DNAJ heat shock N-terminal domain-containing protein
8_H8	AT1G66160	U-box domain-containing protein
8_H9	AT3G54850	armadillo/beta-catenin repeat family protein
9_A1	AT1G27910	U-box domain-containing protein
9_A10	AT3G06570	kelch repeat-containing F-box family protein
9_A11	AT3G48880	F-box family protein, N7 protein
9_A12	AT3G18980	F-box family protein
9_A2	AT2G35930	U-box domain-containing protein
9_A3	AT3G61390	U-box domain-containing protein
9_A4	AT3G18710	U-box domain-containing protein
9_A5	AT1G67530	armadillo/beta-catenin repeat family protein
9_A6	AT1G29340	armadillo/beta-catenin repeat family protein
9_A7	AT1G55270	kelch repeat-containing F-box family protein
9_A8	AT4G15475	F-box family protein (FBL4)
9_A9	AT1G53320	F-box family protein / tubby family protein (TULP7)
9_B1	AT5G03230	expressed protein
9_B10	AT5G48990	kelch repeat-containing F-box family protein
9_B11	AT5G01720	F-box family protein (FBL3)
9_B12	AT1G43640	F-box family protein / tubby family protein
9_B2	AT3G59940	kelch repeat-containing F-box family protein
9_B3	AT2G25490	F-box family protein (FBL6)
9_B4	AT2G47900	F-box family protein / tubby family protein
9_B5	AT4G10925	F-box family protein
9_B6	AT5G52120	F-box family protein
9_B7	AT5G07670	F-box family protein
9_B8	AT1G80440	kelch repeat-containing F-box family protein
9_B9	AT5G39250	F-box family protein
9_C1	AT1G08710	F-box family protein
9_C10	AT4G24210	F-box family protein / SLEEPY1 protein
9_C11	AT3G62230	F-box family protein
9_C12	AT2G44630	kelch repeat-containing F-box family protein
9_C2	AT5G46170	F-box family protein
9_C3	AT3G54460	SNF2 domain-containing protein
9_C4	AT5G45360	F-box family protein, similar to SKP1 interacting partner 2

9_C5	AT1G80570	F-box family protein (FBL14)
9_C6	AT1G20360	F-box family protein
9_C7	AT3G16580	F-box family protein
9_C8	AT2G46900	expressed protein
9_C9	AT1G12710	F-box family protein / SKP1 interacting partner 3-related
9_D1	AT5G44980	F-box family protein
9_D10	AT2G39940	coronatine-insensitive 1 / COI1 (FBL2)
9_D11	AT2G17020	F-box family protein (FBL10)
9_D12	AT5G18770	F-box family protein
9_D2	AT1G74510	kelch repeat-containing F-box family protein
9_D3	AT3G06240	F-box family protein
9_D4	AT3G07550	F-box family protein (FBL12)
9_D5	AT1G11270	F-box family protein
9_D6	AT1G49890	expressed protein
9_D7	AT1G21410	F-box family protein
9_D8	AT1G68050	F-box family protein (FKF1) / adagio 3 (ADO3)
9_D9	AT2G44130	kelch repeat-containing F-box family protein
9_E1	AT5G42360	kelch repeat-containing F-box family protein
9_E10	AT1G55590	F-box family protein
9_E11	AT2G02870	kelch repeat-containing F-box family protein
9_E12	AT1G27540	F-box family protein
9_E2	AT5G52880	F-box family protein
9_E3	AT1G30200	F-box family protein
9_E4	AT1G23780	F-box family protein
9_E5	AT5G03970	F-box family protein
9_E6	AT1G14330	kelch repeat-containing F-box family protein
9_E7	AT2G24540	kelch repeat-containing F-box family protein
9_E8	AT3G54650	F-box family protein (FBL17)
9_E9	AT3G47030	F-box family protein
9_F1	AT1G70590	F-box family protein
9_F10	AT5G49980	transport inhibitor response protein, putative
9_F11	AT5G42460	F-box family protein
9_F12	AT5G45360	F-box family protein
9_F2	AT5G21040	F-box family protein
9_F3	AT4G39550	kelch repeat-containing F-box family protein
9_F4	AT1G30090	kelch repeat-containing F-box family protein
9_F5	AT5G49945	expressed protein
9_F6	AT4G05460	F-box family protein (FBL20)
9_F7	AT5G43190	F-box family protein (FBX6)
9_F8	AT1G61340	F-box family protein
9_F9	AT3G16740	F-box family protein
9_G1	AT5G27920	F-box family protein
9_G10	AT3G27290	F-box family protein-related
9_G11	AT1G21760	F-box family protein
9_G12	AT3G03030	F-box family protein
9_G2	AT3G59200	F-box family protein
9_G3	AT3G58930	F-box family protein
9_G4	AT1G12860	basic helix-loop-helix (bHLH) family protein
9_G5	AT5G03020	kelch repeat-containing F-box family protein
9_G6	AT1G31350	F-box family protein
9_G7	AT1G76270	expressed protein
9_G8	AT4G24390	F-box family protein (FBX14)
9_G9	AT1G26930	kelch repeat-containing F-box family protein
9_H1	AT3G19470	F-box family protein
9_H10	AT5G40530	expressed protein
9_H11	AT3G19570	expressed protein
9_H12	AT3G28630	expressed protein
9_H2	AT1G76920	F-box family protein (FBX3)
9_H3	AT4G02440	F-box family protein
9_H4	AT3G23880	F-box family protein
9_H5	AT1G57790	F-box family protein
9_H6	AT3G59150	F-box family protein

9_H7	AT4G08980	F-box family protein (FBW2)
9_H8	AT5G57360	F-box family protein / LOV kelch protein 1 (LKP1)
9_H9	AT5G39450	F-box family protein
H12	AT4G37780	MYB
TF1_A1	AT3G04100	MADS
TF1_A10	AT1G50420	GRAS
TF1_A11	AT2G01570	GRAS
TF1_A12	AT1G66350	GRAS
TF1_A2	AT3G05860	MADS
TF1_A3	AT3G18650	MADS
TF1_A4	AT3G30260	MADS
TF1_A5	AT3G54340	MADS
TF1_A6	AT3G57230	MADS
TF1_A7	AT3G57390	MADS
TF1_A8	AT3G58780	MADS
TF1_A9	AT3G66656	MADS
TF1_B1	AT4G11250	MADS
TF1_B10	AT4G08250	GRAS
TF1_B11	AT5G66770	GRAS
TF1_B12	AT1G63100	GRAS
TF1_B2	AT4G33190	MADS
TF1_B3	AT4G36590	MADS
TF1_B4	AT4G37940	MADS
TF1_B5	AT5G04640	MADS
TF1_B6	AT5G06500	MADS
TF1_B7	AT5G10140	MADS
TF1_B8	AT5G13790	MADS
TF1_B9	AT5G15800	MADS
TF1_C1	AT5G20240	MADS
TF1_C10	AT4G17230	GRAS
TF1_C11	AT1G50600	GRAS
TF1_C12	AT2G04890	GRAS
TF1_C2	AT5G23260	MADS
TF1_C3	AT5G26630	MADS
TF1_C4	AT1G55580	GRAS
TF1_C5	AT5G26870	MADS
TF1_C6	AT5G26950	MADS
TF1_C7	AT5G27050	MADS
TF1_C8	AT5G27070	MADS
TF1_C9	AT5G27090	MADS
TF1_D1	AT5G27130	MADS
TF1_D10	AT5G49420	MADS
TF1_D11	AT5G49490	MADS
TF1_D12	AT5G51870	MADS
TF1_D2	AT5G27810	MADS
TF1_D3	AT5G38620	MADS
TF1_D4	AT5G38740	MADS
TF1_D5	AT5G39750	MADS
TF1_D6	AT5G39810	MADS
TF1_D7	AT5G40120	MADS
TF1_D8	AT5G41200	MADS
TF1_D9	AT5G48670	MADS
TF1_E1	AT5G55690	MADS
TF1_E10	AT1G28460	MADS
TF1_E11	AT1G21450	GRAS
TF1_E12	AT1G48150	MADS
TF1_E2	AT1G07530	GRAS
TF1_E3	AT5G60910	MADS
TF1_E4	AT5G65060	MADS
TF1_E5	AT5G65070	MADS
TF1_E6	AT5G65080	MADS
TF1_E7	AT5G65330	MADS

TF1_E8	AT1G22590	MADS
TF1_E9	AT1G24260	MADS
TF1_F1	AT1G54760	MADS
TF1_F10	AT1G69540	MADS
TF1_F11	AT1G72350	MADS
TF1_F12	AT1G77070	MADS
TF1_F2	AT1G59810	MADS
TF1_F3	AT1G60040	MADS
TF1_F4	AT1G60880	MADS
TF1_F5	AT1G60920	MADS
TF1_F6	AT1G65300	MADS
TF1_F7	AT1G65330	MADS
TF1_F8	AT1G65360	MADS
TF1_F9	AT1G69120	MADS
TF1_G1	AT1G77950	MADS
TF1_G2	AT2G03060	MADS
TF1_G3	AT2G03710	MADS
TF1_G4	AT2G14210	MADS
TF1_G5	AT2G24840	MADS
TF1_G6	AT2G28700	MADS
TF1_G7	AT2G34440	MADS
TF1_G8	AT5G41920	GRAS
TF1_G9	AT3G03450	GRAS
TF2_A1	AT1G80840	WRKY(Zn)
TF2_A10	AT2G46400	WRKY(Zn)
TF2_A11	AT3G01970	WRKY(Zn)
TF2_A12	AT2G38470	WRKY(Zn)
TF2_A2	AT2G03340	WRKY(Zn)
TF2_A3	AT2G23320	WRKY(Zn)
TF2_A4	AT2G24570	WRKY(Zn)
TF2_A5	AT1G30650	WRKY(Zn)
TF2_A6	AT2G30590	WRKY(Zn)
TF2_A7	AT2G37260	WRKY(Zn)
TF2_A8	AT2G47260	WRKY(Zn)
TF2_A9	AT2G44745	WRKY(Zn)
TF2_B1	AT3G56400	WRKY(Zn)
TF2_B10	AT4G26640	WRKY(Zn)
TF2_B11	AT5G01900	WRKY(Zn)
TF2_B12	AT3G17600	AUX/IAA
TF2_B2	AT3G58710	WRKY(Zn)
TF2_B3	AT2G34830	WRKY(Zn)
TF2_B4	AT4G01720	WRKY(Zn)
TF2_B5	AT1G66140	C2H2(Zn)
TF2_B6	AT2G46130	WRKY(Zn)
TF2_B7	AT4G23550	WRKY(Zn)
TF2_B8	AT4G23810	WRKY(Zn)
TF2_B9	AT4G24240	WRKY(Zn)
TF2_C1	AT5G13080	WRKY(Zn)
TF2_C10	AT5G25790	CPP(Zn)
TF2_C11	AT1G27710	GRP
TF2_C12	AT4G01680	HB
TF2_C2	AT5G15130	WRKY(Zn)
TF2_C3	AT5G26170	WRKY(Zn)
TF2_C4	AT5G45270	WRKY(Zn)
TF2_C5	AT5G49520	WRKY(Zn)
TF2_C6	AT5G56270	WRKY(Zn)
TF2_C7	AT2G20110	CPP(Zn)
TF2_C8	AT4G14770	CPP(Zn)
TF2_C9	AT4G29000	CPP(Zn)
TF2_D1	AT5G39760	C2H2(Zn)
TF2_D10	AT3G56850	bZIP
TF2_D11	AT4G01120	bZIP

TF2_D12	AT4G02640	bZIP
TF2_D2	AT4G01680	Unknown
TF2_D3	AT3G17609	bZIP
TF2_D4	AT3G12250	bZIP
TF2_D5	AT3G19290	bZIP
TF2_D6	AT3G30530	bZIP
TF2_D7	AT3G49760	bZIP
TF2_D8	AT3G51960	bZIP
TF2_D9	AT3G54620	bZIP
TF2_E1	AT4G26500	bZIP
TF2_E10	AT1G43700	bZIP
TF2_E11	AT1G49720	bZIP
TF2_E12	AT1G59530	bZIP
TF2_E2	AT4G34590	bZIP
TF2_E3	AT4G36730	bZIP
TF2_E4	AT4G36990	bZIP
TF2_E5	AT5G06950	bZIP
TF2_E6	AT5G06960	bZIP
TF2_E7	AT1G22070	bZIP
TF2_E8	AT1G35490	bZIP
TF2_E9	AT1G42990	bZIP
TF2_F1	AT1G68880	bZIP
TF2_F10	AT2G22850	bZIP
TF2_F11	AT2G36270	bZIP
TF2_F12	AT3G58120	bZIP
TF2_F2	AT1G75390	bZIP
TF2_F3	AT2G31370	bZIP
TF2_F4	AT2G35530	bZIP
TF2_F5	AT2G42380	bZIP
TF2_F6	AT5G08141	bZIP
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TF2_G11	AT5G49450	bZIP
TF2_G12	AT5G60830	bZIP
TF2_G2	AT4G35900	bZIP
TF2_G3	AT1G58110	bZIP
TF2_G4	AT2G21230	bZIP
TF2_G5	AT5G10030	bZIP
TF2_G6	AT5G15830	bZIP
TF2_G7	AT5G24800	bZIP
TF2_G8	AT5G28770	bZIP
TF2_G9	AT5G38800	bZIP
TF2_H1	AT5G65210	bZIP
TF2_H2	AT1G03970	bZIP
TF2_H3	AT1G06070	bZIP
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TF2_H5	AT1G08320	bZIP
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TF3_A11	AT2G38090	MYB
TF3_A12	AT2G38250	MYB
TF3_A2	AT1G01380	MYB
TF3_A3	AT1G01520	MYB
TF3_A4	AT1G03530	MYB
TF3_A5	AT1G06180	MYB
TF3_A6	AT1G06910	MYB
TF3_A7	AT3G09230	MYB
TF3_A8	AT1G08810	MYB
TF3_A9	AT1G09540	MYB

TF3_B1	AT1G09710	MYB
TF3_B10	AT2G40260	MYB
TF3_B11	AT2G40970	MYB
TF3_B12	AT1G42660	MYB
TF3_B2	AT1G09770	MYB
TF3_B3	AT3G09370	MYB
TF3_B4	AT1G13450	MYB
TF3_B5	AT1G14600	MYB
TF3_B6	AT1G15720	MYB
TF3_B7	AT1G17460	MYB
TF3_B8	AT1G17520	MYB
TF3_B9	AT1G17950	MYB
TF3_C1	AT1G18330	MYB
TF3_C10	AT2G44730	MYB
TF3_C11	AT2G46410	MYB
TF3_C12	AT2G46830	MYB
TF3_C2	AT1G18570	MYB
TF3_C3	AT3G09600	MYB
TF3_C4	AT3G10000	MYB
TF3_C5	AT1G22640	MYB
TF3_C6	AT1G25340	MYB
TF3_C7	AT1G26780	MYB
TF3_C8	AT3G10590	MYB
TF3_C9	AT1G33240	MYB
TF3_D1	AT1G34670	MYB
TF3_D10	AT1G63850	MYB
TF3_D11	AT1G63910	MYB
TF3_D12	AT1G65580	MYB
TF3_D2	AT1G35515	MYB
TF3_D3	AT1G48000	MYB
TF3_D4	AT1G49010	MYB
TF3_D5	AT1G49560	MYB
TF3_D6	AT1G49950	MYB
TF3_D7	AT1G55050	MYB
TF3_D8	AT1G56650	MYB
TF3_D9	AT1G57557	MYB
TF3_E1	AT1G66230	MYB
TF3_E10	AT1G66380	MYB
TF3_E11	AT1G68320	MYB
TF3_E12	AT1G70000	MYB
TF3_E2	AT1G66370	MYB
TF3_E3	AT1G66380	MYB
TF3_E4	AT1G58220	MYB
TF3_E5	AT1G63850	MYB
TF3_E6	AT1G63910	MYB
TF3_E7	AT1G65580	MYB
TF3_E8	AT1G66230	MYB
TF3_E9	AT1G66370	MYB
TF3_F1	AT1G79180	MYB
TF3_F10	AT2G23290	MYB
TF3_F11	AT2G26960	MYB
TF3_F12	AT2G30420	MYB
TF3_F2	AT2G02825	MYB
TF3_F3	AT2G03500	MYB
TF3_F4	AT2G13690	MYB
TF3_F5	AT2G13960	MYB
TF3_F6	AT2G16720	MYB
TF3_F7	AT2G20400	MYB
TF3_F8	AT2G20760	MYB
TF3_F9	AT2G21650	MYB
TF3_G1	AT2G27300	MADS
TF3_G10	AT4G37260	MYB

TF3_G11	AT3G12720	MYB
TF3_G12	AT3G12730	MYB
TF3_G2	AT3G44350	MADS
TF3_G3	AT5G46590	MADS
TF3_G4	AT3G10760	MYB
TF3_G5	AT3G11280	MYB
TF3_G6	AT3G11440	MYB
TF3_G7	AT3G12560	MYB
TF3_G8	AT4G36250	MYB
TF3_G9	AT4G37240	MYB
TF3_H1	AT2G31180	MYB
TF3_H10	AT3G18100	MYB
TF3_H11	AT3G19670	MYB
TF3_H2	AT2G32460	MYB
TF3_H3	AT2G33550	MYB
TF3_H4	AT2G35640	MYB
TF3_H5	AT3G12820	MYB
TF3_H6	AT3G13540	MYB
TF3_H7	AT3G13890	MYB
TF3_H8	AT3G15320	MYB
TF3_H9	AT3G16350	MYB
